

REMARKS

Claims 1-6, 8-16, and 18-21 stand rejected under 35 U.S.C. 102(b) as being anticipated by Nakajima (U.S. 5,654,735). Applicants respectfully traverse this rejection because the cited reference does not disclose (or suggest) a display device that can simultaneously receive and write respective display signals to a plurality of data signal lines, as in independent claims 1 and 14-16 of the present invention, as amended.

Fig. 1 of Nakajima, as cited by the Examiner, describes a display device that sequentially receives and outputs display signals in its disclosed timing. (See col. 6; Fig. 2). In other words, Nakajima fails to teach or suggest simultaneous reading and writing operations to signal lines. Nakajima does disclose a simultaneous *sampling* (col. 5, lines 31-51), but nowhere teaches or suggests that the sampling is the equivalent to both a receiving and a writing operation to the signal lines.

In contrast, independent claims 1 and 14-16 of the present invention as amended all recite, among other things, that the receiving and writing operations of the data signals are performed simultaneously. Support for this amended claim language can be found on page 7 of the Specification to the present Application, for example, as well as throughout much of the remaining Specification. Applicants submit that, because Nakajima neither teaches nor suggests such simultaneous receiving/writing features, the Section 102 rejection of independent claims 1 and 14-16 (as well as their respectively dependent claims) based on Nakajima has been fully traversed.

Claims 7 and 17 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Nakajima. Applicants respectfully traverse this rejection for at least the reasons

discussed above with respect to the Section 102 rejection of claims 1 and 17 based on Nakajima. Claim 7 depends from independent claim 1, and claim 17 depends from independent claim 16, and therefore both dependent claims contain all of the features of their respective base claims, plus additional features. Accordingly, claim 7 and 17 should be in condition for allowance for at least the same reasons as independent claims 1 and 16 respectively.

Additionally, Applicants respectfully traverse the obviousness rejection of these claims based on Nakajima, because the present invention achieves advantageous results over the device disclosed by Nakajima. The Examiner should consider such advantageous results over the prior art in his determination of obviousness. Applicants submit that the Nakajima reference is equivalent to a portion of the Related Art initially described in the present Specification, which is also described to contain several significant disadvantages that the present invention is able to solve. The problems faced and solved by the present inventors is a further consideration the Examiner should take into account when determining the appropriateness of an obviousness rejection. In the present case, obviousness is not a proper determination based on Nakajima.

The present invention is able to achieve the advantageous results over a device as taught by Nakajima, by locating the data driver on a single edge of the device's panel, dividing the driver into a plurality of blocks, thereby providing a reduction of the number of display signal lines in each block and reducing the area for arranging the display signal lines, in addition to reducing cross-coupling capacitance while the display signals are simultaneously supplied from and written to the signal lines of each block to and from the

data bus lines respectively. Applicants further submit that Nakajima is silent regarding such problems encountered by its device, as well as the solutions advantageously achieved by the present invention. Obviousness is typically inappropriate when the prior art is silent on the problems and advantages discovered and achieved respectively by the presently claimed invention. Accordingly, for at least these additional reasons, the Section 103 rejection of claims 7 and 17 is respectfully traversed.

For all of the foregoing reasons therefore, Applicants submit that this Application, including claims 1-21, is in condition for allowance, which is respectfully requested. The Examiner is invited to contact the undersigned attorney should he find that any further issues exist related to patentability.

Respectfully submitted,

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